

SEQUENCE LISTING

<110> Cahoon, Edgar B.
Hitz, William D.
Kinney, Anthony J.
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<151> 1998-03-20

<150> PCT/US99/05471

<151> 1999-03-12

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<213> *Limnanthes douglasii*

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 Ser Glu Val Val Leu Glu Arg Lys Ser Lys Gly Phe Trp Arg Arg Lys
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 100 105 110
 Ile Ser Phe Ile Leu Leu Gly Phe Ala Ser Gly Val Leu Gly Ile Thr
 115 120 125
 Leu Cys Phe His Arg Cys Leu Thr His Gly Gly Phe Lys Leu Pro Lys
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 Asp Pro Met Glu Trp Val Ser Asn His Arg Tyr His His Gln Phe Val
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 Asp Thr Glu Arg Asp Val His Ser Pro Thr Gln Gly Phe Trp Phe Cys
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 His Ile Gly Trp Val Leu Asp Lys Asp Leu Phe Val Glu Lys Arg Gly
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 Phe Leu Gln Lys Thr Tyr Met Tyr His Gln Leu Ala Leu Ile Ala Leu
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 His Lys Trp Gly Gly Arg Pro Trp Asn Thr Gly Asp Leu Ser Thr Asn
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His Phe Leu Cys Leu Leu Ala Pro Phe Asn Phe Thr Trp Pro Ala Leu
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Arg Val Ala Leu Ile Val Tyr Thr Val Gly Gly Leu Gly Ile Thr Val
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Ser Tyr His Arg Asn Leu Ala His Arg Ser Phe Lys Val Pro Lys Trp
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Leu Glu Tyr Phe Phe Ala Tyr Cys Gly Leu Leu Ala Ile Gln Gly Asp
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Pro Ile Asp Trp Val Ser Thr His Arg Tyr His His Gln Phe Thr Asp
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Ala Met Glu His His Val Thr Cys Leu Ile Asn Ser Leu Cys His Val
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Phe Asn Asp Ile Trp Glu Gln Leu Gln Xaa Asn Leu Xaa Ser Val Val
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Ala Arg Ser Gly Leu Gly Asp Ala Thr Tyr Leu Pro Glu Ala Ile Gly
145 150 155 160
Thr Ile Pro Ala His Pro Ser Met Lys Ala Ala Arg Arg Glu Ala Glu
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Leu Val Met Phe Gly Ala Ile Asp Gln Leu Leu Glu Lys Thr Lys Val
180 185 190
Asn Pro Lys Asp Ile Gly Ile Leu Val Val Asn Cys Ser Leu Phe Ser
195 200 205
Pro Thr Pro Ser Leu Ser Ser Met Ile Val Asn His Tyr Lys Leu Arg
210 215 220
Gly Asn Ile Ile Ser Tyr Asn Leu Gly Gly Met Gly Cys Ser Ala Gly
225 230 235 240
Leu Ile Ser Val Asp Leu Ala Lys Arg Leu Leu Glu Thr Asn Pro Asn
245 250 255
Thr Tyr Ala Leu Val Met Ser Thr Glu Asn Ile Thr Leu Asn Trp Tyr
260 265 270
Met Gly Asn Asp Arg Ser Lys Leu Val Ser Asn Cys Leu Phe Arg Met
275 280 285
Gly Gly Ala Ala Val Leu Leu Ser Asn Lys Thr Ser Asp Lys Lys Arg
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Ser Lys Tyr Gln Leu Val Thr Thr Val Arg Ser His Lys Gly Ala Asp
 305 310 315 320

Asp Asn Cys Tyr Gly Cys Ile Phe Gln Glu Glu Asp Ser Asn Gly Lys
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Ile Gly Val Ser Leu Ser Lys Asn Leu Met Ala Val Ala Gly Asp Ala
 340 345 350

Leu Lys Thr Asn Ile Thr Thr Leu Gly Pro Leu Val Leu Pro Met Ser
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Glu Gln Leu Leu Phe Phe Ala Thr Leu Val Ala Arg Lys Val Phe Lys
 370 375 380

Lys Lys Ile Lys Pro Tyr Ile Pro Asp Phe Lys Leu Ala Phe Asp His
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Phe Cys Ile His Ala Gly Gly Arg Ala Val Leu Asp Glu Leu Glu Lys
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Asn Leu Gln Leu Ser Ser Trp His Leu Glu Pro Ser Arg Met Thr Phe
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Ile Arg Phe Gly Asn Thr Ser Ser Ser Thr Leu Trp Tyr Glu Leu Ala
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Tyr Ser Glu Ala Lys Gly Arg Ile Arg Lys Gly Glu Arg Val Trp Gln
 450 455 460

Ile Gly Phe Gly Ser Gly Phe Lys Cys Asn Ser Ala Val Trp Lys Ala
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 35 40 45
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 50 55 60
 Ser Gly Val Ser Leu Ser Lys Asn Leu Met Ala Val Ala Gly Asp Ala
 65 70 75 80
 Leu Lys Thr Asn Ile Thr Thr Ile Gly Pro Leu Val Leu Pro Met Thr
 85 90 95
 Glu Gln Leu Leu Tyr Phe Ala Ser Leu Val Gly Arg Asn Ile Phe Lys
 100 105 110
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 115 120 125
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 Tyr Arg Phe Gly Asn Thr Ser Ser Ser Ser Leu Trp Tyr Glu Leu Ala
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 Tyr Ser Glu Ala Lys Gly Arg Ile Lys Lys Gly Glu Arg Val Trp Gln
 180 185 190
 Ile Gly Phe Gly Ser Gly Phe Lys Cys Asn Ser Val Val Trp Lys Ala
 195 200 205
 Leu Arg Thr Val Asp Pro Lys Glu Glu Asn Asn Pro Trp Thr Asp Glu
 210 215 220
 Ile His Gln Phe Pro Val Ala Val Val
 225 230